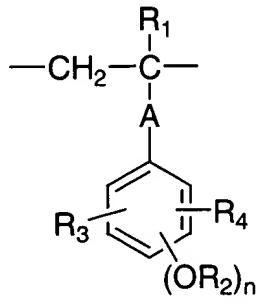
soluble in an alkali aqueous solution and having a repeating unit shown by the following formula (a), (C) a crosslinking agent causing crosslinking with the resin of component (B) by the action of an acid, and (D) a compound having at least one unsaturated bond capable of being polymerized by an acid and/or a radical,



(a)

wherein R_1 represents a hydrogen atom, a halogen atom, a cyano group, or an alkyl or haloalkyl group which may have a substituent; R_2 represents a hydrogen atom, or an alkyl, cycloalkyl, aryl, aralkyl, or acyl group which may have a substituent; R_3 and R_4, which may be the same or different, each represents a hydrogen atom, a halogen atom, a cyano group, or an alkyl, cycloalkyl, alkenyl, aralkyl, or aryl group which may have a substituent; A represents a single bond, or a divalent alkylene, alkenylene, cycloalkylene, or arylene group which may have a substituent, or -O-, $-SO_2-$, -O-CO-R_5-, -CO-O-R_6-, or -CO-N(R_7)-R_8-; R_5, R_6, and R_8, which may be the same or different, each represents a single bond, or an alkylene, alkenylene, cycloalkylene, or arylene group, which may have a substituent, singly or a divalent group formed by combining the above-described group and at least one kind selected from an ether structure, an ester structure, an amide structure, a urethane

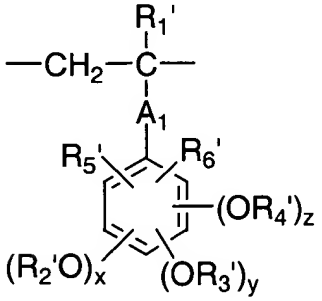
structure, and a ureido structure; R_7 represents a hydrogen atom, or an alkyl, cycloalkyl, aralkyl, or aryl group which may have a substituent; and n represents an integer of from 1 to 3; provided that plural R_2s, or R_2 and R_3 or R_4 may combine with each other to form a ring.

9 (amended). A negative-working resist composition for electron beams or X-rays comprising

(A) a compound generating an acid and/or radical species by the irradiation of electron beams or X-rays,

(B') a resin having at least one unsaturated bond polymerizable by an acid and/or an alkali, which is insoluble in water but soluble in an alkali aqueous solution, and containing a repeating unit shown by the following formula (a'), and

(C) a crosslinking agent causing crosslinking with the resin (B') by the action of an acid;

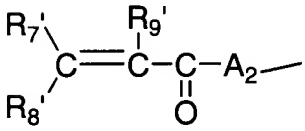


(a')

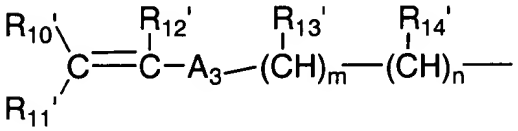
wherein R_1' represents a hydrogen atom, a cyano group, or an alkyl or haloalkyl group which may have a substituent;

R_2' to R_4' each represents a hydrogen atom, a group shown by the formula (b), (c), or (d) described below, or an alkyl, cycloalkyl, aryl, aralkyl, or acyl group which may have a substituent; and

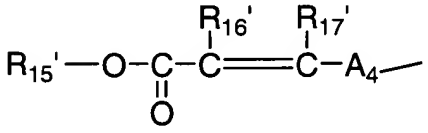
R_5' and R_6', which may be the same or different, each represents a hydrogen atom, a hydroxyl group, a halogen atom, a cyano group, or an alkyl, cycloalkyl, alkenyl, aralkyl, or aryl group which may have a substituent;



(b)



(c)



(d)

wherein R_7' to R_{12}', R_{16}', and R_{17}' each represents a hydrogen atom, a halogen atom, a cyano group, or an alkyl or haloalkyl group which may have a substituent;

R_{13}' and R_{14}' each represents a hydrogen atom, a halogen atom, a hydroxy group, or an alkyl, alkoxy, or acyloxy group which may have a substituent;

R_{15}' represents a hydrogen atom or an alkyl, cycloalkyl, aralkyl, or aryl group which may have a substituent;

A_1 represents a single bond, or a divalent alkylene, alkenylene, cycloalkylene, or arylene group which may have a substituent, or -O-, $-SO_2-$, $-O-CO-R_{20}'-$, $-CO-O-R_{21}'-$, or $-CO-N(R_{22}')-R_{23}'-$;

R_{20}', R_{21}', and R_{23}', which may be the same or different, each represents a single bond, or a divalent alkylene, alkenylene, cycloalkylene, or arylene group which may have an ether structure, an ester structure, an amide structure, a urethane structure, or a ureido structure or may have a substituent;

R_{22}' represents a hydrogen atom, or an alkyl, cycloalkyl, aralkyl, or aryl group which may have a substituent;

A_2 represents a single bond, $-O-R_{21}'-$, or $-N(R_{22}')-R_{23}'-$;

A_3 represents a single bond, $-SO_2-$, or an arylene group which may have an alkylene structure or may have a substituent;

A_4 represents a single bond, a divalent alkylene, cycloalkylene, or arylene group which may have a substituent, or -O-. $-SO_2-$, -CO-. or $-CO-O-R_{21}'-$;

x, y, and z in the formula (a') each represents 0 or 1 and m and n in the formula (c) each represents 0 or an integer of at least 1, provided that in the formula (a'), at

least one repeating unit has the group of the formula (b), (c), or (d); and two of R_2' to R_4', or one of R_2' to R_4' and R_5' or R_6' may combine with each other to form a ring.